

Converting Colors

XYZ(31.0775, 34.0129, 23.6661)

Have a look what the booklet for
XYZ(31.0775, 34.0129, 23.6661)
contains.

XYZ(31.0775, 34.0129, 23.6661)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0775, 34.0129,
23.6661)**

Conversions

Conversions Part 1

Format	Color
Hex	A39F7B
RGB	163, 159, 123
RGB Percent	64%, 62%, 48%
CMY	0.3608, 0.3765, 0.5176
CMYK	0.00, 0.02, 0.25, 0.36
HSL	54°, 18%, 56%
HSV	54°, 25%, 64%
XYZ	31.0775, 34.0129, 23.6661
YIQ	156.0920, 13.9400, -10.3480

Conversions

Conversions Part 2

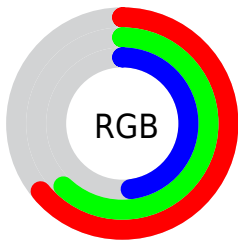
Format	Color
RYB	127, 163, 123
Decimal	10723195
CIELab	64.97, -4.56, 19.36
CIELCh	65, 19.888, 103.256
Yxy	34.0129, 0.3501, 0.3832
Android (android.graphics.Color)	4288913275 (0xFFA39F7B)
YUV	156.0920, -16.3144, 6.0583
Hunter-Lab	58.3206, -6.9431, 16.7649

Details

The XYZ color **31.0775, 34.0129, 23.6661** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.3684, 22.0334, 37.7242**, and the grayscale version is **31.7079, 33.3592, 36.3282**.

A 20% lighter version of the original color is **60.7965, 66.1332, 50.6350**, and **13.1541, 14.5990, 8.6032** is the 20% darker color. If you saturate the color by 10%, you get **29.8631, 33.0832, 18.6395**, and if you desaturate by 10%, it is **32.4673, 35.0210, 29.5903**.

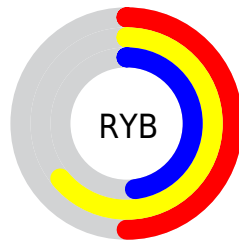
Distribution



Red (64%)

Green (62%)

Blue (48%)



Red (50%)

Yellow (64%)

Blue (48%)

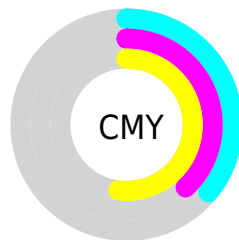


Cyan (0%)

Magenta (2%)

Yellow (25%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0775, 34.0129, 23.6661 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.0775, 34.0129, 23.6661 by changing the saturation by 10% instead.

■ 31.0775, 34.0129,
23.6661

■ 31.0775, 34.0129,
23.6661

298.7157,
320.1896, 284.3600

■ 20.8100, 22.9035,
14.8762

■ 60.7371, 65.9537,
50.4218

■ 13.0968, 14.5223,
8.5869

■ 80.8599, 87.5540,
69.2246

■ 7.5727, 8.4848,
4.3796

■ 104.9984,
113.4199, 92.2022

■ 3.8723, 4.4067,
1.8358

133.5182,
143.9360, 119.7730

■ 1.6301, 1.9036,
0.4514

166.7844,
179.4866, 152.3557

■ 0.4119, 0.5505,
0.0000

205.1625,

■ 0.0000, 0.0000,

220.4562, 190.3687

0.0000

249.0178,
267.2290, 234.2307

■ 31.0775, 34.0129,
23.6661

■ 31.0775, 34.0129,
23.6661

■ 29.8631, 33.0832,
18.6395

■ 32.4673, 35.0210,
29.5903

■ 28.8131, 32.2240,
14.4640

■ 34.0376, 36.1060,
36.4510

■ 27.9191, 31.4331,
11.0922

■ 35.7968, 37.2725,
44.2877

■ 27.1711, 30.7064,
8.4714

■ 37.7517, 38.5233,
53.1369

■ 26.5579, 30.0394,
6.5424

■ 39.9090, 39.8610,
63.0331

■ 26.0666, 29.4270,
5.2373

■ 42.2748, 41.2882,
74.0093

■ 25.6814, 28.8628,
4.4731

■ 44.8553, 42.8072,
86.0970

■ 25.4941, 28.5663,
4.1702

■ 47.6561, 44.4205,
99.3264

■ 48.2243, 45.1467,
100.7802

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.9467, 34.0129, 23.8516



31.0775, 34.0129, 23.6661



28.6871, 34.0129, 26.6618

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.0775, 34.0129, 23.6661



28.4681, 34.0129, 48.9733



37.9144, 34.0129, 41.7837

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.0775, 34.0129, 23.6661



22.3684, 22.0334, 37.7242

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.2651, 34.0129, 49.7986



31.0775, 34.0129, 23.6661



30.7621, 34.0129, 54.3521

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.0775, 34.0129, 23.6661



27.2419, 34.0129, 40.7834



33.6121, 34.0129, 54.6747



38.0113, 34.0129, 33.5223

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.0775, 34.0129, 23.6661



27.6399, 34.0129, 30.3587



33.6121, 34.0129, 54.6747



37.5189, 34.0129, 44.6230

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.0784, 34.0144, 23.6668



60.1983, 64.1459, 61.9326



26.0182, 23.4851, 23.2409



13.4845, 14.3824, 13.7528



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.0784, 34.0144, 23.6668



54.5332, 60.0672, 37.6888



28.7051, 33.8275, 23.7558



7.5887, 8.1158, 7.5466



19.8325, 22.2388, 3.2472



0.4329, 0.4997, 0.0736

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.3684, 22.0334, 37.7242



36.4234, 35.1579, 66.9226



24.3416, 22.2997, 37.6716



6.7548, 6.9685, 8.8921



5.3020, 2.3834, 27.1104



0.1273, 0.0819, 0.5750

Previews

White Background



This preview shows how the XYZ color 31.0775, 34.0129, 23.6661 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.0775, 34.0129, 23.6661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

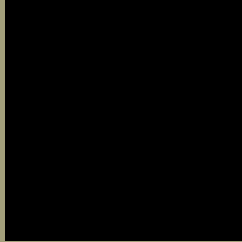
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0775, 34.0129, 23.6661

Background



This preview shows how black text looks on a background with the XYZ color 31.0775, 34.0129, 23.6661.



This preview shows how white text looks on a background with the XYZ color 31.0775, 34.0129,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.0775, 34.0129, 23.6661

Protanopia

31.7183, 33.8439, 23.2731

Deuteranopia

34.5354, 33.8042, 24.1067



Tritanopia

34.3312, 33.8239, 40.3165

Trichromacy



Original Color

31.0775, 34.0129, 23.6661

Protanomaly

31.4656, 33.9659, 23.3100

Deuteranomaly

33.0982, 33.7965, 23.8477

Tritanomaly

32.9523, 33.7517, 33.6321

Monochromacy



Original Color

31.0775, 34.0129, 23.6661

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3891, 33.4985, 31.1970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0775, 34.0129, 23.6661 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(163, 159, 123)` looks like.

```
.text, #text, p{  
    color:rgb(163, 159, 123)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(163, 159, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 159, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.0775, 34.0129, 23.6661 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 159, 123) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(163, 159, 123) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(163, 159, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 159, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 159, 123);  
box-shadow:4px 4px 4px 4px rgb(163, 159,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0775, 34.0129, 23.6661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 159, 123) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(163,  
159, 123) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor